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DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

Connections and initial set up

Precautions and information before connecting

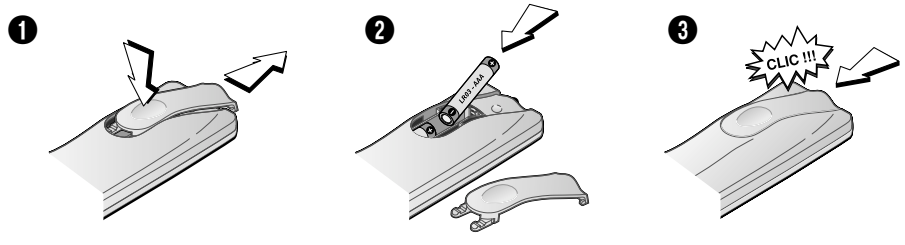
• Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10 cm) • Ensure that the ventilation slots, and the player itself, are not covered by objects such as a mat, newspapers, curtain, etc. o Do not stack any other equipment on top of your DVD player. o Do not place the player on top of an amplifier or any other equipment that gives off heat • The appliance should not be in contact with liquids or exposed to the risk of dripping or splashing. Therefore be careful not to place any object containing a liquid (vase, glass, bottle,...) on or near your appliance • The player must not be near or exposed to a flame. For instance, do not place a candle on or near the player • Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Before moving the player, ensure the disc tray is empty. Switching off the DVD player to the stand-by mode does not disconnect the electricity supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the mains plug. When connecting, ensure that the plugs of the various cables are pushed securely into their corresponding sockets. Your player is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law

Important notice: Please read the recommendations given on page 31.

Accessories provided

- One Scart-Peritel cable – one remote control unit with two non rechargeable AAA batteries.

Setting up the remote control unit



Important information regarding the batteries

- Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. Remove the batteries from the remote control unit if you are not going to use it for several weeks. Immediately remove any leaking batteries. Take care in doing this, as leaking batteries may cause burns to the skin or other physical injury.

- Please respect the environment and prevailing regulations. Before you dispose of batteries ask your dealer whether they are subject to special recycling and if he accepts to take them back.

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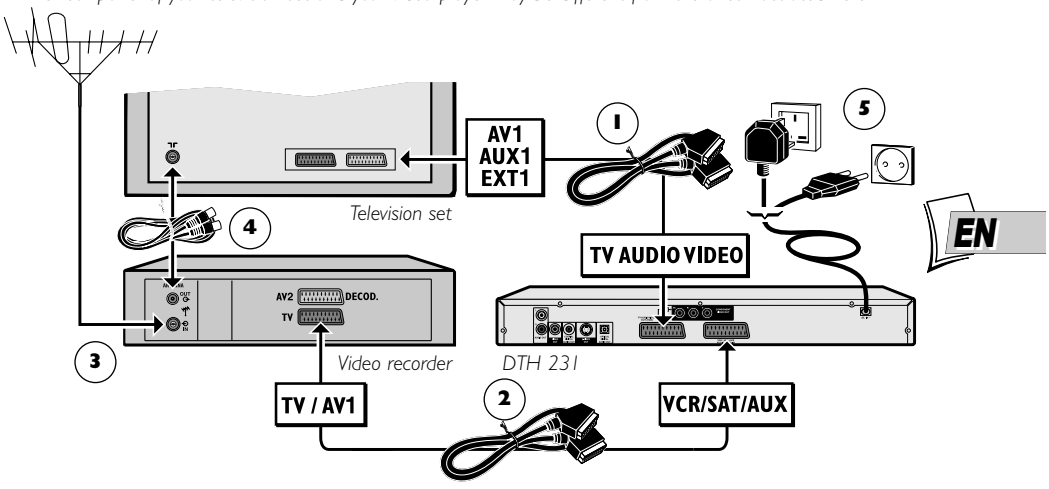
The rear panel of your television set and your video player may be different from the ones illustrated here.



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Connecting: DVD player + TV set + VCR

If you are only connecting your player to your television set, only carry out the connections shown in stages 1 and 5. If no Scart-Peritel socket is available on the TV set consult your retailer. If you already have a VCR the connections shown in stages 3 and 4 should, in most cases, already be in place.

Recommended Audio – Video connection

1. Plug the Scart-Peritel cable provided into the **TV AUDIO VIDEO** out socket at the back of your DVD player and into the **AV1** in socket (sometimes also called **AUX 1** or **EXT 1**) on your TV set
2. Plug your VCR Scart-Peritel cable into the **VCR/SAT/AUX** socket on your DVD player and into the **TV** socket on your VCR.

Other Audio - Video connections

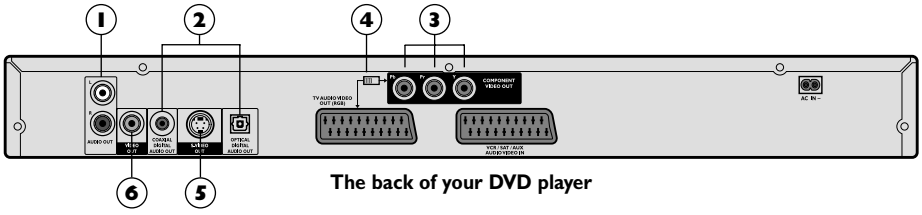
If no Scart-Peritel socket is available on the TV set, check whether the set has another Video socket (Components, S-Video or Composite) that you can use to connect to your player using the corresponding socket. In this case do not forget to also connect the Audio out socket (**AUDIO OUT**) to the Audio in socket (**AUDIO IN**) on your TV set.

Note: if your TV set is equipped with Component sockets and you opt for this connection, you must set the **RGB/YPRPB** *selector on* **YPRPB** *(see page 5). For more information about signals, cables and Audio/Video sockets refer to pages 4 and 5.*

3. Plug the outside aerial or the network into the aerial in socket (**IN** ⊖) on the VCR.
4. Use a coaxial cable to connect the aerial out socket on the VCR (**OUT** ⊖) and the aerial in socket (⊓) on your TV set.
5. Plug the mains plug of your player into a mains socket.

Continue on page 6

Connections and initial set up

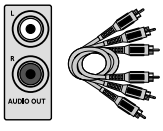


The back of your DVD player

Sockets and cables

There are several ways in which you can incorporate your DVD player into an Audio-Video system. The simplest of these is described on page 3. This uses Scart-Peritel cables that combine Audio analogue connections for sound, and Video for the RGB image. This connection ensures the optimum image quality (like Y, Pr, Pb). If you cannot use Scart-Peritel sockets, the explanations on this and the following page should enable to you to choose the method of connection best suited to the sockets and appliances you have. Sound and image quality depend to a large extent on the types of connections used.

Audio sockets and cables (for sound)



RCA sockets and cables for analogue L and R audio signal.

1 - Audio Out L / R

Analogue sound of a disc being played is permanently available on the two L and R sockets on your player. If you do not use the recommended Scart-Peritel connection to the TV set (paragraph 1 on page 3), you must, in addition to one of the video connections (CVBS ; S-VIDEO ; Y, Pr, Pb) described on page 5, connect the Audio Out L / R sockets on your DVD player of your TV set (or amplifier) to the Audio In L / R sockets.

Note: audio sockets and cables are usually identified by a colour code (red for the left channel and white for the right channel).

Optical socket and cable for digital audio signal.

Coaxial socket and cable for digital audio signal.

2 - Optical and coaxial Out sockets

The digital sound of a disc being played is permanently available on the optical and coaxial sockets of your player. Use one of these sockets by connecting it to a decoder or a DTS or Dolby Digital amplifier. Some of these appliances are equipped with a coaxial In socket (COAXIAL) or an optical In socket (OPTICAL), while others are equipped with both sockets. Choose one of the two connections.

Note: In most cases these two types of connection give similar results; the only difference lies in the type of cable used and the cost of these cables, the coaxial cable being the least expensive one to buy. However it sometimes happens that some coaxial cables are parasitised by high frequency interference caused by household electrical appliances, high voltage electric cables or radio transmitters.

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VIDEO sockets and cables (for image)

RCA sockets and cables for Y, Pr, Pb Video signals, also called Component.

3 - Component output (Y, PR, PB)

YPBPR sockets deliver an optimum image quality due to the separation of the video signal into three separate components (comparable with RGB separation in a Scart-Peritel cable).

In order to obtain the best possible image quality, always use very high quality cables for the connections. Your dealer can provide Y, Pr, Pb cables that are sold together and come in the standard colour codes (red, green and blue) used for these types of sockets and cables.

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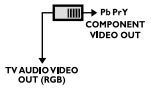
Note: Do not forget to also connect the audio cables, because Component cables only transmit images, and not sound.



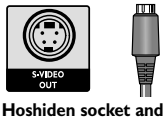
Video out selector

4 - Video out selector (RGB/YPRPB)

RGB *for Scart Peritel our socket*
YPrPb *for Progressive Scan out socket*

If you connect your player to a monitor (or other equipments) set equipped with a Progressive Scan function (using out sockets **Y, Pr, Pb**) you must set the **COMPONENT VIDEO OUT** selector on these sockets (slide it to the right) and validate the function in the **Display** menu (see page 23). If the TV set is connected to you player using the **TV AUDIO VIDEO OUT** socket leave the selector on the corresponding position (slide it to the left), and check that the **Progressive Scan** function is turned off in the **Display** menu.

Note: Setting the selector on **TV AUDIO VIDEO OUT** *enables a Composite (CVBS) and RGB signal to be delivered to the corresponding Scart-Peritel socket. If you set the selector on* **COMPONENT VIDEO OUT** *only the Composite (CVBS) signal will be available on the* **TV AUDIO VIDEO OUT** *socket; if, moreover, the* **Progressive Scan** *function is activated in the* **Display** *menu, no video signal will come through the* **TV AUDIO VIDEO OUT** *socket. In that case only the* **COMPONENT VIDEO OUT** *socket swill deliver video signals. To return the video signal to the* **TV AUDIO VIDEO OUT** *socket you must slide the selector to the* **TV AUDIO VIDEO OUT** *position.*

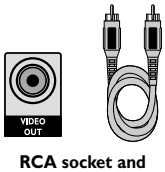


Hoshiden socket and cable for Y/C Video signal, also called S-Video.

5 - S-Video out socket (Y/C)

The S-Video socket delivers a lower quality video signal than component sockets. An S-Video signal however provides a better quality image than a composite video socket, because colour (C) is separate from black and white (Y) in the video signal.

Note: Do not forget to also connect the audio cables, because the S-Video cable transmits images and not sound.



RCA socket and cable for CVBS Video signal, also called Composite.

6 - Composite Video Out socket (CVBS)

The yellow video socket is also called composite video, or CVBS. The image quality delivered by the video socket is the least good of all video connections. Only use this socket if all other sockets are already in use.

Connections and initial set up

Front panel of the player

(1) **STANDBY/ON** - Turns the player on or off. The light is off when the player is running and lit up when the player is switched off (in stand-by mode).

(2) **OPEN/CLOSE** - Opens and shuts the disc tray.

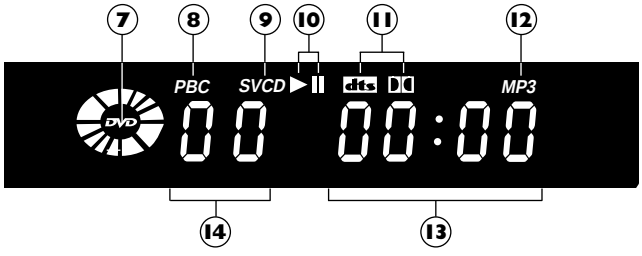
(3) **STOP** - Stops playing a disc.

(4) **PREV** - Skips back to the beginning of the chapter (DVD) or of the track (CD) during playback, or to the beginning of the previous chapter or track.

(5) **NEXT** - Plays the next chapter (DVD) or track (CD).

(6) **PLAY** - Plays a disc, and shuts the tray if it is open.

Player display panel



(7) DVD is lit up if a DVD is loaded in the player.

(8) ***PBC***: PBC function activated.

(9) To play:
Audio CD (***CD***),
Video CD (***VCD***),
Super Video CD (***SVCD***).

(10) Forward play (►),
or pause on still frame (❚❚).

(11) dts or DD show if the disc being played has a DTS or Dolby digital sound system.

(12) ***MP3***: disc with mp3 files.

(13) Time elapsed (minutes, seconds) and chapter (DVD) for a few seconds during change of chapter.

OPEN, *CLOSE*, *LOAd*: Information relating to loading a disc.
NO DISC: No disc in tray.
STOP: Disc in tray but play stopped.

(14) Track (CD) or Title (DVD) in play during a change of DVD chapter.

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Initial player set-up

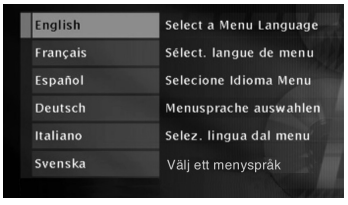
Using the remote control unit correctly

When you use remote control, point the unit at the appliance you want to control (DVD player, TV set or video recorder). Ensure that there is no obstacle between the remote control unit and the appliance, otherwise the infrared signal carrying the remote control commands will be blocked. To control your DVD player, ensure that the remote control unit is in DVD mode by pressing once on the DVD key before using any other keys.

EN

Switch on your DVD player and your TV set

1. Turn on your TV set.
2. Set your DVD player remote control unit in DVD mode by pressing once on the **DVD** key.
3. Switch on you player by pressing the **STANDBY/ON** button on the front panel of the player.



4. The first time you turn on your player, it will ask you to select a preferred language for the various displays via the menu which appears on your TV screen. If this menu is not displayed, on your TV screen select the AV socket to which you connected your player. The player menus as well as the dialogues and subtitles of the DVDs will always be presented in the language you've chosen if it is available on the discs played.
5. Choose a language using the ▲, ▼ keys on the remote control unit, then confirm by pressing **OK**.

Displays on your player (menus and banners)

- Disc menus – Each DVD disc offers a menu, the layout and order of which depend on the editor of the disc. The main menu of the disc is displayed on the screen when a DVD disc is loaded and play begins. You can also display or remove the main menu of the disc at any time by pressing the **MENU** key.
- Player banners – while a disc is playing back you can display or remove banners using the **INFO** key on the remote control unit. The banners appear in the form of a succession of icons at the top of the screen. The number of icons varies according to context.
- Player menus – your player has menus enabling you to use functions that are not accessible using the remote control unit keys. The player menu is displayed when the player is not playing a disc (in STOP mode).

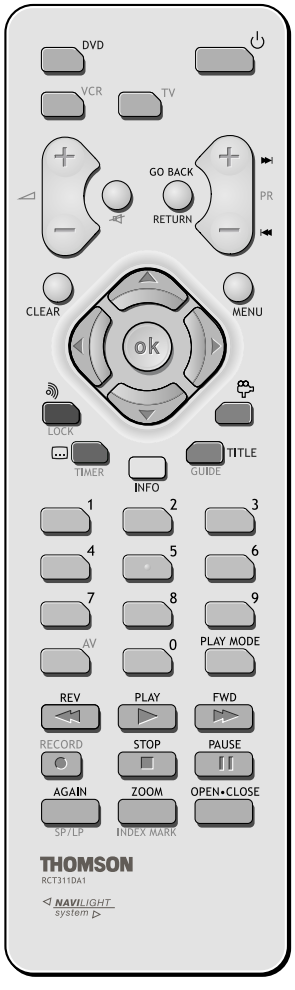
Note: settings will only function if the corresponding function has been provided by the editor. For instance, if you select the subtitle icon in the banner, subtitles will only appear if they actually exist on the disc. Check the sleeve to see what subtitles are provided. If a menu or icon appears in "grey" it means that the function is not available.

Connections and initial set up

Remote control

The remote control unit supplied with your DVD player can also be used to control most recent TV sets and video players made by THOMSON, Saba, Brandt, Ferguson and Telefunken. You thus have three remote control units in one using to the three modes – DVD, TV and VCR – accessible by pressing the three corresponding keys. This page describes the keys that enable you to control your DVD player (in DVD mode).

For a description of the TV and VCR functions, see the following page.



Description of keys in DVD mode

⏻	Switches the DVD player on or off.
DVD	Sets the remote control unit in DVD mode (by pressing once), enabling you to control your DVD player.
PR ⏭ ⏮	Skips forward or backward a chapter (DVD) or track (CD).
RETURN	Returns to the previous menu.
MENU	Displays the DVD disc menu while a disc is being played.
CLEAR	Removes the menu or banner showing on the TV screen.
	Audio - Displays or hides the dialogue language and sound format.
	Subtitles - Displays or hides the subtitle language.
INFO	Displays the player information banner on the TV screen while a disc is being played.
TITLE	(DVD) Displays a sub-menu on the disc (where available on the disc). JPEG - Displays summary of a disc in images.
	Angles (DVD) – to access a choice of angles of an image if available on the disc. JPEG - To rotate an image through 90°.
0 to 9	Keys used to enter information such as a chapter or track number, or to make choices from menus.
PLAY MODE	Direct access to play mode icon.
REV	REVERSE - Fast backward while a disc is being played.
PLAY	Plays a disc.
FWD	FORWARD - Fast forward while a disc is being played.
STOP	Pause during playback to display player menu.
PAUSE	Pause during playback (CD) or pause on an image (DVD).
AGAIN	Skips backward – each press sends play backward last seconds during DVD playback.
ZOOM	Enlarges the picture during playback, slow motion or pause mode.
OPEN.CLOSE	Opens or closes player disc tray.

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Using the remote control unit to control your TV set or VCR

The remote control unit supplied with your DVD player can also be used to control most recent TV sets and video players made by THOMSON (Saba, Brandt, Ferguson and Telefunken). This page describes the keys that enable you to control your TV set or VCR providing they are equipped with the same functions.

Controlling a TV set

TV	Sets the remote control unit in TV mode (by pressing once) and enables you then to control your TV set.
⏻	Switches the TV set on or off.
◿	Volume control.
🔇	Switches sound off or on again.
PR ⏭ ⏮	Switches channel or selects an AV socket.
AV	Selects an AV socket.
0 to 9	Keys enter digital values or change channel.
ZOOM	Enlarges (zooms in on) the picture on some TV sets.
MENU	Displays main TV set menu.
RETURN	Returns to the previous menu.
CLEAR	Removes menu or other information displayed on the screen.
GUIDE	Displays TV programme guide.
INFO	Displays information about the channel.

Note: colour keys enable one to use the teletext function on THOMSON TV sets. .

Controlling a VCR

VCR	Sets the remote control unit in VCR mode (by pressing once) and then enables you to control your VCR.
⏻	Switches the VCR on or off.
PR ⏭ ⏮	Switches channel or selects an AV socket.
AV	Selects an AV socket.
0 to 9	Keys enter digital values or change channel.
OPEN.CLOSE	Ejects a cassette.
MENU	Displays the main VCR menu.
RETURN	Returns to the previous menu.
CLEAR	Removes menu or other information displayed on the screen.
GUIDE	Displays the Naviclick page (if available).
INFO	Displays information about the channel or running the VCR.

Note: colour keys **LOCK**, **TIMER**, **INFO** *make it possible to use the programming functions on your VCR. The cassette running control keys -* **PLAY**, **FWD**, **REV**, **PAUSE STOP** *and the* **RECORD** *key have the same functions as the buttons on your VCR.*

Playing a disc

Discs you can play

- video DVDs, DVD-R, DVD-RW, DVD+R, DVD+RW,
- Audio CDs (Compact Disc), CD-R, CD-RW,
- Video CDs (VCD), Super Video CDs (SVCD),
- discs containing:
  - image files in JPEG format,
  - sound files in mp3 format,
  - sound files in WMA format.

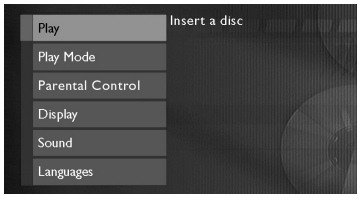
Note: Before loading a disc in the player, check that it is compatible. Also, refer to pages 29 and 30 for our recommendations concerning discs and formats.

Region code numbers of DVD discs

Discs that can be played on your player are ones marked with area code 2 (Europe, Middle East, Republic of South Africa and Japan). Ensure that any DVD disc you want to load bears area code **2**. The **ALL** logo printed on some discs means that the disc can be played on any DVD player.

Note: for your information: the other areas are: - 1: USA, Canada - 3: Southeast Asia, Taiwan - 4: Central America, South America, Australia, Mexico, New Zealand - 5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan - 6: China.

Loading and playing a disc



Switch on your TV set and DVD player. It may be best to turn off other appliances.

1. If the player menu is not displayed on TV screen, select the TV set Scart Peritel socket to which you connected your player (see page 3).
2. Open the disc tray by pressing **OPEN/CLOSE**. Place the disc on the tray. The disc label must face upwards (double sided discs have a small label on both sides around the centre).
3. Close the disc tray by pressing the **OPEN/CLOSE** or **PLAY**. According to the type of disc one of three things may now happen:
   - disc playback starts,
   - the disc menu appears, asking you, for instance, to choose the language of dialogues, subtitles, etc., or to start playing the disc. Make your choice using the four navigation keys ▲, ▼, ◀, ▶, and validate by pressing **OK**.
   - The main player menu appears. Using the navigation keys ▲, ▼, select **PLAY** and press **OK**. Playback then starts.

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Search Options

Quick search of an image or a track

In Play mode, start the Forward or Reverse fast motion playback using the **FWD** (forward) or **REV** (reverse) keys. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Still picture and frame advance

During playback press **PAUSE** once to freeze the image. Press **PAUSE** again to go into "frame" mode (the **PAUSE** icon is then replaced by the **FRAME** icon on the TV screen). Press **FWD** or **REV** to view images one after the other forward or backward. To resume normal playback press **PLAY**.

Note: If the player is left in pause mode for a long period with a DVD or a VCD, the home screen comes on. Press any key on the remote control unit to resume display of the image transmitted from the disc.

Slow motion (in Pause mode on an image)

During playback press **PAUSE** once to freeze the image. Press **FWD** or **REV** to view images in slow motion forward or backward. Press once or several times for higher speeds. To resume normal playback press **PLAY**.

Skipping a chapter or a track

During playback you can access the following or previous chapter (or track) by pressing **PR** ⏭ and/or **PR** ⏮ on the remote control unit.

Note: Forward or backward skips can also be made by using the **PREV** *and* **NEXT** *keys on the player.*

Playback options

Enlarging an image (zoom)

During playback press the **ZOOM**. key once or repeatedly. Move the zoomed image around using ▲, ▼, ◀, ▶ to view a particular spot. If this does not work, try again after pressing **PAUSE**. To resume normal playback press the key several times to return to the original format.

Scene Again™

During playback press **AGAIN** on the remote control unit. Each touch of the key steps back ten seconds (approximately) of play.

Playing a disc

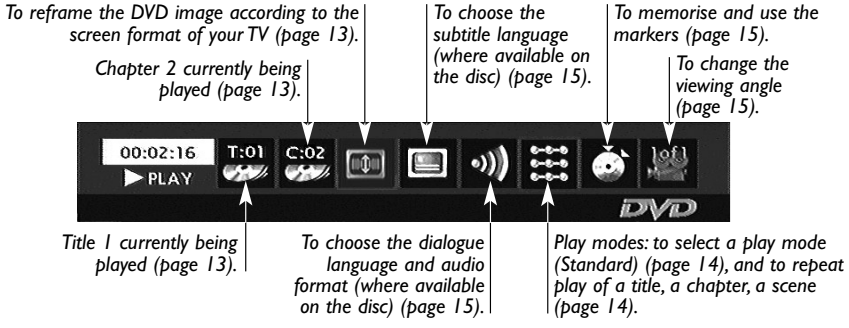
Using the information banner

The information banner appears at the top of the screen when you press **INFO** on the remote control unit while a disc is being played. Use the ◄ and ► keys to select the various icons. When an icon is activated (highlighted), follow the instructions on the screen and use the ▲ or ▼ keys to browse for options.

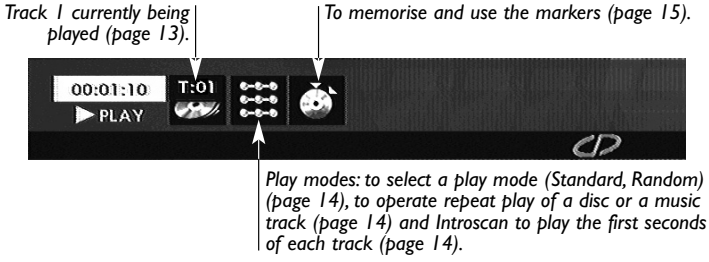
You can only access information banners when a disc is being played. The options on an information banner are only available if the disc has been designed to incorporate those options. If an icon is inactive (does not light up) it means that the function is not available for the disc being played.

This symbol appears on the screen when a command is incorrect (prohibited, function not available). To remove the information banner, press the **INFO** key on the remote control unit.

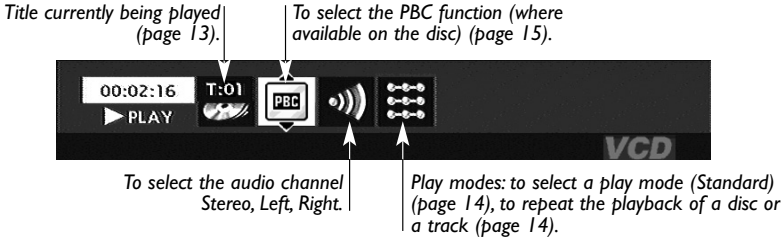
Information banner with a DVD disc


To reframe the DVD image according to the screen format of your TV (page 13).
Chapter 2 currently being played (page 13).
To choose the subtitle language (where available on the disc) (page 15).
To memorise and use the markers (page 15).
To change the viewing angle (page 15).
00:02:16
PLAY
T:01
C:02
1of1
DVD
Title 1 currently being played (page 13).
To choose the dialogue language and audio format (where available on the disc) (page 15).
Play modes: to select a play mode (Standard) (page 14), and to repeat play of a title, a chapter, a scene (page 14).

Information banner with an Audio CD disc


Track 1 currently being played (page 13).
To memorise and use the markers (page 15).
00:01:10
PLAY
T:01
CD
Play modes: to select a play mode (Standard, Random) (page 14), to operate repeat play of a disc or a music track (page 14) and Introscan to play the first seconds of each track (page 14).

Information banner with a VCD disc (Video CD), SVCD disc (Super Video CD)


Title currently being played (page 13).
To select the PBC function (where available on the disc) (page 15).
00:02:16
PLAY
T:01
PBC
VCD
To select the audio channel Stereo, Left, Right.
Play modes: to select a play mode (Standard) (page 14), to repeat the playback of a disc or a track (page 14).

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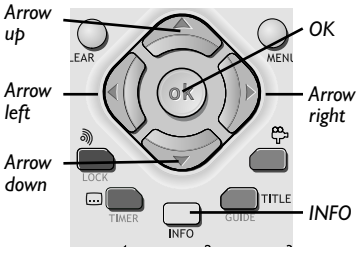

To access the information banner, press **INFO** on your remote control unit during playback. Use arrow keys ◄ and ► on the remote control unit to select the various icons. When an icon is selected it is highlighted. The line under the banner is an information and instruction line. When small arrows appear above and below the selected icon these point to other possible options. Now use the ▲ and ▼ keys to scroll through the various options.

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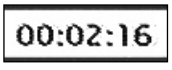


Timer

This icon shows the time elapsed since the start of playback. The time displayed is that of the title of a DVD disc (or of the track on a CD disc) during playback. The timer provides direct access to a scene or a musical passage by keying in the starting time.

Select the time elapsed icon and use the numbered keys on the remote control unit to access the place from which you want to play back. Use two digits for each field. For instance, if you enter 01:35:12, you will access the sequence beginning 1 hour, 35 minutes and 12 seconds after the start of the title.

Note: For audio CDs and VCDs, the timer refers to the track currently being played.

Title or Track

Most DVD discs only contain one title. However some discs may contain several titles each of which is itself divided into several chapters.

To choose a title, select icon **T**, then use the ▲ or ▼ keys to scroll the titles or tracks. Use the numbered keys on the remote control unit to access a particular title or track.

Chapter (DVDs)

Most DVD discs contain several chapters (similar to the tracks of audio CDs).

To choose a chapter, select icon **C**, then use the ▲ or ▼ keys to scroll chapters. Use the numbered keys on the remote control unit to access a particular chapter.

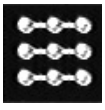
Note: follow your progress below the banner.

Screen fit (DVDs)

You can change the size of the image on the TV screen during playback of a DVD disc.

To change the size, select the Image Format icon, then use the ▲ or ▼ keys.

Playing a disc



Standard play

Random play

IntroScan

Play modes

Your player has several play modes according to the type of disc played: Standard play which follows the order of the tracks, titles and chapters on the discs; Random play which plays the sequences or music tracks in a random order; Programmed play which allows you to choose the sequences or music tracks and the order in which they are to be played; Automatic play which starts playback as soon as the disc tray is closed. The play mode icon can be accessed from the information banner when a CD or VCD disc is in play.

The IntroScan function enables you to listen to the first few seconds of each track of an audio CD.

Note: when the first few seconds of all tracks have been played the player goes into Stop. To stop IntroScan press **PLAY** *to continue play and listen to the whole track, or press* **STOP**.

While a disc is being played, press **PLAY MODE** (the information banner is displayed), the play mode icon is already selected. Press **PLAY MODE** again to select play mode or use the ▲ / ▼ keys. The icon changes according to the mode selected, as does the text area in the information banner:

DVD discs: Standard play – Repeat play between two points A and B – Chapter repeat – Title repeat (if available on disc being played).

Audio CD discs: Standard play – Random play – Disc repeat – Track repeat - IntroScan.

VCD discs: Standard play.

Discs containing mp3/WMA music files: Standard play – Disc repeat – Chapter repeat – Track repeat – Random play. See page 16.

JPEG discs: See page 17.

mp3 – JPEG discs: See page 16.

Note: the standard mode is reactivated for any new disc loaded in the player. The programme mode only works if you have keyed in a programme (see page 19).

Repeat playback functions

Repeat playback of a scene between two points A and B (DVD - VCD - SVCD)

A-B Repeat mode allows you to select exactly the sequence you wish to repeat.

1. Select the repeat playback function using the ▲ or ▼ keys. **A-B Repeat** appears under the banner.
2. Press **OK** to memorise the beginning of the scene you want to repeat (point A).
3. Wait a few seconds before pressing **OK** again to mark the end of the scene to be repeated (point B). **A-B Repeat** appears to tell you that the repeat playback of the sequence is starting. To stop repeat, select another mode using the ▲ or ▼ keys, or by pressing **PLAY MODE** or **STOP**.

Note: Repeat functions remain active until you turn them off, open the disc tray or turn off the power. Repeat play only works with discs that show the elapsed time on the display. This may not work correctly with certain discs (Video CDs in PBC mode).

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Selecting the language of subtitles

Selecting the language of dialogues

Languages of sub-titles and dialogues (DVD)

1. While a disc is in play press the green key for sub-titles or red key for dialogues (the information banner is displayed), the corresponding icon is already selected.
2. If available on the disc, select the language of sub-titles or dialogues using the same red or green keys. The name of the selected language appears under the banner.

Note: selecting the language of subtitles only involves the disc being played. If you remove the disc or if you switch off the player your selection will be cancelled. In this case the default language, chosen when your player was first installed, will be reactivated. If the preferred language is not available on the DVD disc the preferred language of the disc (default language) will be selected automatically. With some discs you can only access the dialogue or sub-title languages through the menu provided on the disc.

Sequence marking

Sequence marking (DVDs)

This function enables you to mark sequences on a disc so that you can access them easily even if you switch you player off and on again (without having ejected the disc).

You can mark up to 12 scenes per disc.

1. While a disc is being played, press **INFO** to display the information banner.
2. Press ➤ until the **marking** icon is highlighted.
3. Press **OK** to display the marking banner.
   - To find a sequence, select the half disc and press **OK**. The half disc symbol is replaced by an arrow and a dustbin. The timer shows the place marked.
   - To play a scene with a marker, select the arrow and press **OK**.
   - To delete a marker, select the dustbin and press **OK**.

Note: the marking banner displays the first 6 markers. To view the other 6 markers use the ▲ or ▼ keys on the remote control unit.

Reading or deleting a marker

Inserting a marker

Selecting a play mode

PBC - Playback control menu (Video CDs)

This function enables you to make interactive selections of some scenes or information through an on-screen menu. Moreover high resolution scenes can be viewed if they are included on the disc. During playback press **INFO** (the information banner appears). Press ◄ or ➤ to select the PBC icon. Uses the ▲ or ▼ key to see other screens or deactivate the functions on offer.

Changing camera angles

Camera angles (DVDs)

A few DVD discs contain scenes shot from various different angles. If a disc being played back offers different camera angles the icon in the banner will show the number of the angle on the screen. With the disc in playback, press on the remote control unit and choose the angle using the same key or the ▲ or ▼ keys .

Note: if the scene is only recorded in one angle the invalid command symbol appears for a moment.

Playing a disc

Playing images (JPEG), and sounds (mp3, WMA) files

Your player can play JPEG files with a resolution of up to five million pixels. However beyond 400,000 pixels there is no perceptible improvement in the quality of pictures displayed on your TV screen.

mp3 and WMA are compressed audio file formats that make it possible to store a large quantity of sound tracks on a disc. Files can be grouped in folders (albums) in the same way as files and folders in your computer. A folder can thus contain other folders. WMA (Windows Media Audio) was developed by Microsoft™.

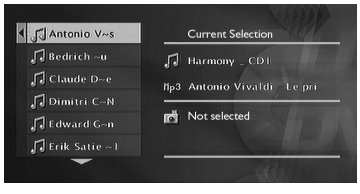
Playing sound files (mp3 or WMA)

1. Load a disc and begin play. The list of files is displayed. The reader reads the contents of the disc, then displays a contents menu.
2. Select a folder using the ▲ or ▼ keys on the remote control unit and press **OK**. The list of files contained in the folder is displayed.
3. Select a file using the ◀, ▶, ▲ and ▼ keys on the remote control unit and press **PLAY**.
   Note: when an mp3 or WMA audio file is selected for more than 2 seconds, playback of the first seconds of the file begins.

   Playback of files begins with the file selected and continues with the following files. Where there are sub-folders in the folder, these are also played. Playback then moves to the next folder located at the same level in the tree diagram as the folder containing the first file you selected.
4. Stop playback using the **STOP** key.

Simultaneous JPEG and mp3 play (images and sound)

Your player enables you to play images and sounds on a same disc simultaneously.



1. When a disc is loaded and the disc menu is displayed on the screen, use the ◀, ▶, ▲, ▼ keys and **OK** to select (and / or open a folder), and then to select an mp3 sound file. The name of the selected piece appears in the "**Current Selection**" area of the screen ( ).
2. Press ◀ (once or twice) to return to the disc menu.
3. Use the ◀, ▶, ▲, ▼ keys and **OK** to select (and /or open a folder), and then to select a JPEG image file. The name of the selected photograph appears "**Current Selection**" area of the screen ( ).
4. To start play press **PLAY**.

Note: cancel a selection by pressing **CLEAR**. *If playback of an audio file ends before the end of the sequence of pictures, it will resume at the start of the folder containing the chosen audio file until the end of the sequence of pictures.*
During simultaneous play, only the picture can be changed by using the **PR** ⏭ *or* **PR** ⏮ *keys.*

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Playing image files (JPEG)

1. Load a disc and begin play. The list of folders (and / or photographs) is displayed.
2. Select a folder using the ▲ or ▼ keys on the remote control unit and press **OK**. The list of files contained in the folder is displayed.
3. Select a file using the ◀, ▶, ▲ and ▼ keys on the remote control unit and press **PLAY**. The picture sequence begins. The information banner showing both Sound (mp3) and image (JPEG files appears. After a few seconds the first image selected is displayed and the banner disappears. To recall the banner press **INFO**.

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Displaying the image summary

You can display the images in the form of an illustrated partial summary by pressing **TITLE** once during the picture sequence. The images are displayed in the form of nine vignettes. The nine images may be displayed for quite a long time. To view the following or preceding nine images use the **PR** ⏭ or **PR** ⏮ keys on the remote control unit. To view one of the nine images on the whole screen select the image using the ◀, ▶, ▲ and ▼ keys and press **OK**.

Adjusting the speed of the image sequence

Display the banner using the **INFO** key, then use ▲ or ▼ to select one of three speeds. This adjustment does not alter the display time between images but only the length of time each image is displayed.

Changing images

During the picture sequence change images using the **PR** ⏭ or **PR** ⏮ keys on the remote control unit. According to the type of image (Ko or Mo) the change may take several seconds.

Rotating an image

If an image is displayed sideways, you can rotate it through 90° using the key on the remote control unit.

Enlarging an image (zoom) and Pan and Scan function

To view a detail press **ZOOM** once or several times and use the ◀, ▶, ▲ and ▼. keys. Return to normal size picture by pressing **ZOOM** several times or by pressing **PLAY** to resume the picture sequence.

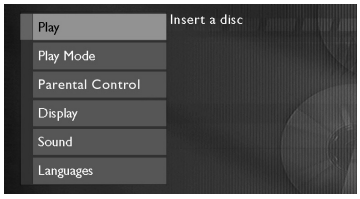
To stop the picture sequence and return to player menu

Press **STOP** or press **MENU** several times

Menus

Menus on your DVD player (basic principles for use)

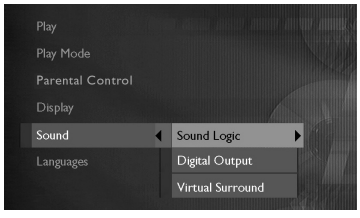
The functions of your DVD player are not all accessible directly through the remote control or front panel keys. A certain number of functions are accessible through menus that you can display or remove as you wish. These menus are used as follows.



The player menu appears when the player is in STOP mode.

Player menu

The player menu appears when no disc is being played. When a disc is being played, press **STOP** to stop play. The player menu then appears. Use navigation keys ◄, ►, ▲ ▼ on the remote control unit to highlight the desired function. Then press **OK** to validate your selection and start the function or access the next menu.

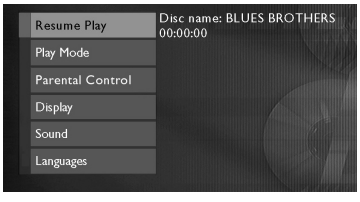


The Sound menu is an example of a sub-menu. The arrows point to other available functions

Sub-menus

Sub-menus are indicated by an arrow on the right, telling you that the line shown is not the name of a function but that of another menu. To access it, highlight the name of the sub-menu and press **OK** on the remote control unit. The sub-menu appears to the right of the previous menu.

The **Sound** menu is an example of a sub-menu. When the **Sound** line is highlighted, press **OK** (the functions of the sound menu appear in another menu).



Functions within menus

Lines without arrows are functions that can be accessed directly by validating with the **OK** key. These functions can be used in two ways:

- The function starts working after validation with the **OK** key.

  The **Resume Play** *function is an example. When* **Resume play** *is highlighted, press* **OK** *(replay begins and the menu disappears).*

- After validation with **OK** the function offers two choices, usually **On** and **Off**.

  The **Virtual Surround** *function is an example. When* **Virtual Surround** *is highlighted press* **OK** *to change the setting from* **Off** *to* **On** *and vice-versa.*

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Play mode

Your player has several Play modes: Standard play which follows the order of the tracks, titles and chapters on the discs; Random play which plays the sequences or music tracks in a random order; Programmed play which allows you to choose the sequences or music tracks and the order in which they are to be played; Automatic play which starts playback as soon as the disc tray is closed. The available function differ according to the disc loaded in the player.

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Start

The default play mode of your DVD player is the standard play, which follows the order of tracks, titles and chapters on the disc, as they were installed at the time of manufacture, beginning with track or chapter no. 1.

Random play (CDs - mp3 - WMA)

Random play mode plays the sequences or music tracks in a random order.

1. If a disc is playing, press **STOP** to stop play.
2. Press ▼ to highlight **Play Mode**, and press **OK**. Press ▼ to highlight **Random play**, then press **OK**.
3. To stop random play, press **STOP** twice. To **Resume Play** press **PLAY**.

Programming playback (Program Play) (DVDs - CDs - mp3 - WMA)

To program the playing of a disc, you must create your playback list. The player menu must be displayed. If it is not displayed press **STOP**. Select **Play Mode** and validate by pressing **OK**. Select **Program Play** and validate with **OK**. Choose the tacks you want to play usint the ▲ and ▼ keys, then validate with **OK**. To cancel a programme press **CLEAR**. You can start your playback programme by highlighting **Play** and pressing **OK** on the remote control unit. You can start your programmed play by highlighting **Done** with ➤ and pressing **OK** then **PLAY** on the remote control unit.

Automatic playback (AutoPlay)

You can set you player to begin playback as soon as you close the disc tray. The player menu must be displayed. If it is not displayed press **STOP**. Select **Play Mode** and validate with **OK**. Highlight **AutoPlay** using the ▼ key and validate with **OK** (**On** appears beside the **AutoPlay** menu). To go from automatic play to stop, press **OK** again when **AutoPlay** is highlighted.

Note: Automatic play cannot be used with mp3 discs.

Introscan (CDs)

Select **Introscan** and press **OK** to listen to the first seconds of each music track on an Audio CD.

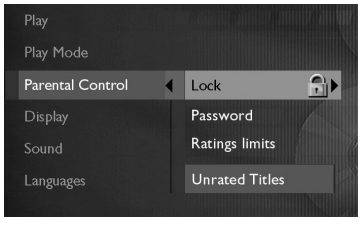
Menus

Parental Control

You player makes it possible to set ratings limits to playing discs and to lock playback for discs that contain information or scenes that exceed the ratings limit you have set. This function allows you, for instance, to control the type of matter a child can watch. A padlock in the **Parental Control** menu shows whether the player is locked or unlocked.

Locked: You must enter a password in order to play discs that exceed the ratings limit you have set. When the player is locked nobody can access the lock menu without entering the password.

Unlocked: No password is needed to play discs. Even if you have set a ratings limit discs will not be blocked while the player is unlocked.



Locking your player

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press ▼ to highlight **Parental Control** and press **OK**.
3. **Lock** is highlighted, press **OK** on the remote control unit (a screen for entering the password appears).
4. Using the numbered keys on the remote control unit enter the password (4 digit number) and press **OK**. Another screen appears asking you to confirm the password. Key in the same password number and press **OK** (if necessary, press ◀ to return to the previous menu).

Note: Once the player is locked you will have to key in the password each time you want to access the **Parental Control** *menu.*

Unlocking you player

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press ▼ to highlight **Parental Control** and press **OK**.
3. Using the numbered keys on the remote control unit, key in the 4 digit number of your password and press **OK**.

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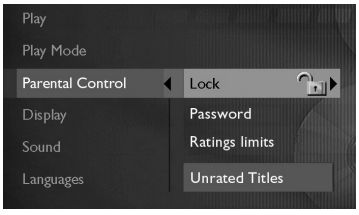
Changing a password

1. If a disc is being played, press **STOP** (the player menu appears).



2. Press ▼ to highlight **Parental Control** and press **OK** (if requested to do so key in your password; the **Parental Control** menu appears).
3. Press the ▼ key to highlight **Password** and press **OK** (a screen for entering the new password appears).

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4. Using the numbered keys on the remote control unit, key in the 4 digit number you have chosen as your new password and press **OK**. You will then be asked to confirm the new password. Key in the same password number and press **OK** (if necessary, press ◄ to return to the previous menu).

Note: if you forget your code (password) see page 28 of this instruction manual.

Ratings limits

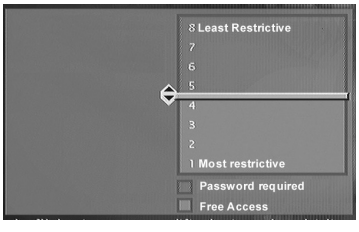
Your player provides ratings limits on a scale of 1 to 8. The ratings limit function does not work if the disc being played does not have a rating limit. In Europe ratings limits are as yet uncommon on DVD discs on sale.

The player is supplied without any ratings limit setting. If you want to prohibit playback of certain discs you will have to set a ratings limit (see following page for instructions).

Setting a ratings limit

This function makes it possible to restrict viewing of certain DVD discs by programming a restriction on your player. This function can only be used with DVD discs provided with the function.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press ▼ to highlight **Parental Control** and press **OK** (if requested to do so key in your password; the **Parental Control** menu appears).



3. Press ▼ to highlight **Ratings limits** and press **OK**.
4. Use ▲ or ▼ to move the setting bar to the desired level.
5. Press **OK**.
6. To return to the player menu, press ◄ until the menu is displayed on the screen.

Discs without ratings limits

We often feel that some DVD discs ought to have a ratings limit. Unfortunately few discs in Europe have one. You can however restrict viewing of such discs by means of the **Unrated Titles** function by ticking the **Password Required**, option and then locking the player as described on page 20. When this is done the password will be requested before playing any DVD disc, including those that would not normally need a restriction.

Menus

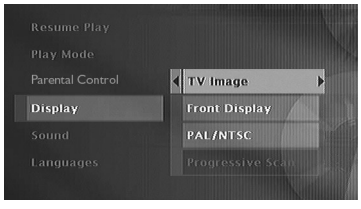
Display menu

The **Display** menu provides you with settings to adapt the picture format and TV standard (PAL/NTSC) to that of your TV set. You can also adjust the brightness of the player's display panel and activate the Progressive Scan function.

TV Image menu

The **TV Image** menu allows you to set the image format (4x3, 16x9, etc.) of films according to the format of your TV screen.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press ▼ to highlight **Display** and press **OK** (The **Display** menu appears giving a choice of options).



3. **TV Image** is already highlighted; press **OK** (the settings of the image format are shown).
4. Use the ▲ or ▼ key to highlight one of the three formats described below, then press **OK**.

4 x 3 Letterbox

4 x 3 Letterbox – Select this setting if you want to watch films in their original format (height/width ratio). You will then view the whole image, but it may fill a smaller area of your screen. The film might appear between black bars at the top and bottom of the screen.

4 x 3 Standard

4 x 3 Standard – Select this setting if you want to the film to fill the whole of the screen. In this case the left and right edges of the image will not be visible.

16 x 9 widescreen

16 x 9 widescreen – Select this setting if your DVD player is connected to a 16x9 TV set. If you select this setting for a TV set with a different screen size, the images may appear deformed due to vertical compression of the image. When a DVD disc with a 4x3 image format is played vertical black bands appear to the left and right of the image.

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Front Display menu

Depending on the brightness of the room where you've installed your player, select one of the 4 settings to adapt the brightness of the display panel to suit its environment.

1. If a disc is being played, press **STOP** (the player menu appears).
2. Press ▼ to highlight **Display** and press **OK** (The **Display** menu appears giving a choice of options).
3. Press ▼ to highlight **Front Display** and press **OK** (The **Front Display** menu appears giving a choice of options).
4. Use keys ▲ or ▼ to highlight one of the four available options and press **OK** to validate your choice.
   - **Dim for Movies** (dimmed lighting during replay of a disc),
   - **Off for Movies** (no display during replay of a disc),
   - **Always Bright**,
   - **Always Dim**.
5. To return to the player menu, press ◄ until the menu is displayed on the screen.

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PAL or NTSC TV sets

If the picture on the DVD being played appear in black and white on your TV screen, the standard of the video signals transmitted to your TV is incorrect. Change the video signal from PAL to NTSC or vice versa. **NTSC** must be selected if the TV is connected to the player through the **Y**, **PR** and **PB** connections.

Select **PAL/NTSC** then with the **OK** key choose **PAL** or **NTSC**.

PAL is the name of the colour coding system used in most European countries.

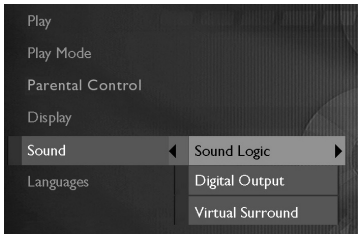
NTSC is the name of the colour coding system used in the United States and some other countries.

Progressive Scan

To display images on a TV set or a monitor (plasma, LCD, etc.), equipped with the Progressive Scan function, you must activate this function on your player by setting the **Progressive Scan** line to **On** (only available when **NTSC** is selected - see above - and the selector (**4**) on page 5 at the rear of the player is positioned on **COMPONENT VIDEO OUT**).

NB: if you activate this function when the TV set is connected to **TV AUDIO VIDEO OUT** *socket at the back of the player the picture will disappear. To cancel the function set the selector (***4***) on the* **TV AUDIO VIDEO OUT**.

Menus



Sound menu

The **Sound** menu provides you with settings so you can adapt your player to the devices connected. It also enables you to access specific functions.

Sound Logic

This function is designed for night-time listening to avoid disturbing your neighbours. The player then adjusts the differences in sound levels through dynamic compression. It then becomes easier to hear the soft sounds while the louder sounds are dampened.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. **Sound Logic** is already highlighted, **OK** on the remote control unit. Select **On** or **Off** using the ▲ or ▼ keys and press **OK**.

Note: the performance of this function depends on the appliances connected to your player and on the sound format of the disc being played.

Virtual Surround

This function enables you to simulate, on the L and R audio channels of your TV set (or stereo amplifier), the multi-channel sound effects of a Dolby or DTS film.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. Press ▼ to highlight **Virtual Surround** and press **OK** on the remote control unit. Select **On** or **Off** using the ▲ or ▼ keys and press **OK**.

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Digital output

According to the amplifier or the TV set (with or without inbuilt DTS or Dolby decoder) to which you connect your DVD player, you will have to define the **COAXIAL OUT** and **OPTICAL OUT** digital signal out sockets so that they can deliver DTS or Dolby Digital digital signals that may be on a disc that you want to play.

1. In the player menu (with the player running, but no disc in play), highlight the **Sound** function and press **OK** on the remote control unit (the **Sound** menu appears).
2. Press ▼ to highlight **Digital Output** and press **OK** (the settings screen appears).
3. Select **Dolby Digital** or **DTS** using the ▲ or ▼ key and press **OK** on the remote control unit to validate your choice.
4. To return to the player menu, press ◄ until the menu is displayed on the screen.

Note: By ticking **DTS** *and* **Dolby Digital** *you will not have to change this setting again. Your player will automatically recognise the sound format of a DVD disc in playback and will send the appropriate signal to the appliance connected to the coaxial and optical out sockets.*

If you do not tick either of these two settings the digital sound present on the coaxial and optical out sockets will be a PCM digital sound for all discs played (in the case of DTS discs no sound will be heard).

If you set the digital outputs on DTS, you must connect it to an amplifier with a DTS decoder, and the DVD disc that you play must include a DTS sound, otherwise no sound will be heard.

PCM - If the appliance connected to the coaxial and optical sockets does not accept the Dolby or DTS signals, your player can supply it with PCM (Pulse Code Modulation) signals. In that case, neither **Dolby Digital**, *nor* **DTS** *must be ticked. The linear PCM is a signal recording format used for CDs.*

DTS - is a digital sound compression technique developed by Digital Theater Sound Systems for digital audio multichannel signals. "DTS" and "DTS Digital Out" are registered trademarks of Digital Theater Systems inc.

Dolby Digital is a sound compression technique developed by Dolby for multi-channel digital audio signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.

«Dolby Digital» and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.

Menus

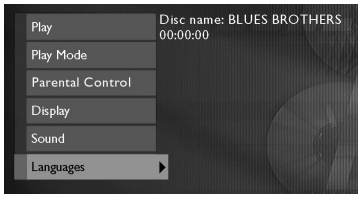
Language menus

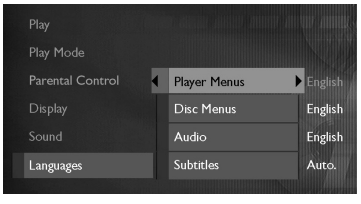
Your player gives you a selection of languages to choose from. You can change the language of the player menus, the language of the disc menus, the language of the dialogues and that of the subtitles. In the menu, choose your preferred language for dialogues and subtitles. If it is available on the DVD you will be playing, it will be selected automatically. The default language is the one which is selected in the main menu. During playback, you can display or remove the subtitles and change the language of the subtitles using the banners.

The **Languages** menu enables you to set preferred language options for:

- player Menus,
- disc Menus,
- Audio dialogues,
- Subtitles.

The method of selecting a language is the same for all Language sub-menus.





1. In the player menu (with the player running, but no disc in play), highlight the **Languages** function and press **OK** on the remote control unit (the **Languages** menu appears).

2. Press ▲ or ▼ to highlight the desired setting, and press **OK** on the remote control unit (a screen giving the list of available languages appears).

3. Press ▲ or ▼ to select a language, and press **OK** on the remote control unit to validate.

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Troubleshooting guide

You will be able to solve most problems involving your player by referring to the troubleshooting guide below.

Note: if you encounter difficulties, you can contact our Help-line by dialling the following number:

THOMSON HELPLINE

You can contact THOMSON by dialling: 0845 601 3093
(For Great-Britain, all calls will be charged at local rate)
www.thomson-europe.com

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The player does not work at all

- Switch the player off and remove the plug from the mains socket. Wait for two minutes, then plug it in again.

The player does not switch on

- Check the connections to the mains supply. Is the mains socket live? Check this by plugging in a table lamp. If necessary, check the plug fuse and the fuse-box.

The player switches itself off automatically

- The DVD player switches off automatically after 30 minutes if it is not running. To switch it on again, press the standby/on button on the front panel of the player.

The disc does not run

- In the case of single-sided discs, the disc label must face upwards.
- Check the type of disc you want to play. Check that it is one in the list given on page 10, or that the format is one that is accepted by the player.
- The DVD player and discs are area coded. If the area code is different, the disc will not be recognised by the player. The code number for your area is 2.

Play starts, then stops immediately

- Is the disc clean or damaged (is it scratched or marked)?
- If the disc (or the player) has been stored in a cold atmosphere before being installed in a warmer room, condensation may have formed on the colder parts and interfered with the running. Immediately unplug the player and wait for the condensation to evaporate naturally.

The disc does not begin to play

- The level of the ratings limit on the disc may be in excess of the limit you set in the **Rating Limits** menu. Unlock the player and / or change the ratings limit setting in the menus.

There is no picture

- Select the correct In socket on your TV set.
- The **TV AUDIO VIDEO OUT/COMPONENT VIDEO OUT** selector is not in the right position. It should be on **TV AUDIO OUT** if the player is connected to the TV set through the Scart-Peritel socket, and on **YPRPB** if the player is connected to the TV set through these sockets.

Further information

There is no sound, or it can hardly be heard

- Ensure that the plugs of the various cables are securely fitted into the sockets.
- If you connect an appliance (such as an amplifier) that includes a DTS or Dolby Digital decoder, check that the input parameters of the appliance are correctly defined.
- According to the type of connection, select the appropriate setting in the sound menu of your player and tick the DTS or Dolby Digital options.

The remote control unit does not work

- Did you press the key corresponding to the appliance to be controlled (DVD, VCR, TV)? Is the appliance to be controlled manufactured by a brand other than one in the Thomson group (Thomson, Brandt, Ferguson, Saba, Telefunken)?
- Point the remote control unit toward the front of the player. The maximum distance from which it can be used is 8 metres. Ensure that there is no obstacle (object, animal) between the remote control unit and the player.
- Remove batteries and hold down one or more keys for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.
- The batteries are fully discharged and must be replaced. When you insert the replacement batteries, ensure you align their positive and negative polarities correctly (page 2).

The invalid icon appears on the screen

- Some functions are not accessible because they depend on the disc playing.

The language of subtitles or dialogues is not the one you selected at the time of the initial setup

- When the language of subtitles or dialogues is not available on the disc, a default language is selected automatically. You can select the subtitles or dialogue language through the information banner (**INFO** key) or the language selection menu on the player.

The menu language is not the one you wanted

- In **STOP** mode select the **Languages** menu on the DVD player, then the **Player Menu** function. Select a language from among those available, **OK**.

If you forget your password

- Open the player's disc tray and ensure that there is no disc on it. Close the tray. The player menu is now displayed on the TV screen. Now press the **STOP** button on your player and hold the **STOP** key on the remote control unit down for two seconds. The code you choose is deleted. Please refer to page 20 to create a new code.

Reconfiguring your player's initial set-up

- Open the player's disc tray and ensure that there is no disc on it. Close the tray. The player menu is now displayed on the TV screen. Now press the **NEXT** button on your player and hold the **STOP** key on the remote control unit down for two seconds. All settings you made since the initial set up will be cancelled. The player is reconfigured to the state it was in upon delivery (manufacturer's settings).
  If you switch your player off and then on again, the original choice of languages appears. Refer to page 7 of this booklet to set up the player again.

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Recommendations and information concerning discs

CD-R and CD-RW discs

This player can play most CD-R and CD-RW discs. However, depending on the recorder of your personal computer, the type of disc and recording method used, it may be that some discs cannot be played, or that the performance does not meet the expected standard of quality. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, this disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc.

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- Whatever the actual recording capacity of a disc, do not fill it to maximum capacity.
- Use CD-R discs rather than CD-RW (re-recordable CDs), as replay of CD-RWs may sometimes not work properly.
- Use a reliable and good quality recording software.
- Before recording on a disc, close all applications on you personal computer in order to optimise the quality and reliability of recordings on the disc.

CD-R and CD-RW discs with mp3 format "Sound" files

In the case of discs that include mp3 files, follow not only the general recommendations for CD-R and CD-RW discs, but also the following specific recommendations:

- The format of your mp3 files should be ISO 9660 or JOLIET. These files are compatible with DOS and Windows applications as well as with Mac OS.
- Your mp3 files must have a name no longer than 12 characters as well as the suffix ".mp3". They must be recorded in the form: title.mp3. Ensure that you do not leave spaces or use special characters such as (. , / , \ , = ,+) in the name.
- Use a decompression transfer rate of at least 128 kb/sec (kilobytes/second) when recording mp3 files. Sound quality with mp3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analogue/digital sampling rate, that is conversion to mp3 format, of at least 128 kb/sec and up to 160 kb/sec. However, choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.
- Do not attempt to record protected mp3 files. Such files are coded and protected.

Important: The above recommendations cannot be taken as a guarantee that the DVD player will play mp3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for mp3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (that is degraded sound quality and even, in some cases, inability of the player to read the file or files).

Information updated in January 2003

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Further information

CD-R and CD-RW discs with JPEG format "image" files

To view your JPEG images on a TV set you do not need to record your photographs with a resolution above 400,000 pixels (which corresponds to an image format of about 720 x 576 dots), for television screens do not allow a higher quality given their limited characteristics. In this case ensure that you reduce the quality of your photographs before recording on a disc in order not to impede the proper running of your player. This is because excessively loaded pictures would slow down or might prevent the proper functioning of the slide show during playback on your player. Compatibility of JPEG files depends on the software on which they were created and on the size of files expressed in pixels. Some JPEG files, including Progressive JPEG files (display in stages) cannot be played on this appliance.

Video CD (VCD) discs

VCD (Video Compact Disc) discs enable up to 74 minutes of VHS quality video associated with still pictures, audio tracks and interactive menus to be recorded on a CD.

Super Video CD (SVCD) discs

SVCD (Super Video Compact Disc) discs comply with standard IEC62107, making it possible to record up to 70 minutes of digital images and sound at standard MPEG-2 for video and MPEG-1 for audio. Compatibility of SVCD discs depends on the MPEG coding software, the disc design software, as well as the recording software used and the discs themselves.

DVD discs recorded in NTSC

If you have a PAL 60 Hz TV set, you can view discs recorded according to NTSC colour standard (see page 23).

DVD-R and DVD-RW discs

Your player can play DVD-R and DVD+R (single recording) and DVD-RW and DVD+RW (re-recordable) discs. Recordings on DVD-RW discs must be made in DVD Video mode. Recordings on DVD+RW discs must be made in accordance with the specifications for the 4.7 Gb capacity DVD+RW disc format. Compatibility is dependent on which DVD writer, writer software and disks are used.

Important: Despite considerable progress made in providing compatibility with as many different discs as possible, reading of discs not conforming to Audio CD, Video CD and Super Video CD (S-VCD) disc standards cannot be guaranteed.

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Caution

- Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.
- Disclaimer of warranty: to the extent allowed by applicable law. Representations and warranties of non-infringement of copyrights or other intellectual property rights resulting from the use of the product under conditions other than as hereabove specified are hereby excluded.

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Condensation

- If your player or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

Discs

- Always handle your discs with care. Hold a disc with fingers on the border or hole. Always place disc with the label facing upward (in case of a single-sided disc). Always place the disc properly into the tray using the proper guide area. Always use a soft cloth to clean discs if necessary, wipe from the centre to the border. Always put discs back into their cases after playing and store in a vertical position. Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

For your safety

- Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam. Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

Technical data

Power requirements 230 V - 50 hertz
Power consumption 15 W (approx. 3,5 W when power is OFF)
Operating temperature range + 5 to + 35° C
Operating humidity range 10 to 75% (no condensation)
Nominal Specification - THOMSON reserves the right to change the specifications without notice.